OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG216451

Ccdc105 (NM_027630) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc105 (NM_027630) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc105
Synonyms:	4931413A09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>MG216451 representing NM_027630
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGTGTTGCTCCCTTCCACCGACCCGGGCCAGGACTCGCGCGTTGGGGCTCCAGAATGGCGCCAGG
CGGCCAAGGCCACGTCTCGCAAGGCACACCTTCTGACCGATCGCTGTGGGCAGGAGGCGGTGACCATGTG
GCAGCCCAAGGACAGTGTACTGGACCCGAACGTGGCACACCACCTGGGCCGCGCCGCCTACATGGAACCC
TGGCGCTTTCGGGTAGAGATGCTCAAAGGGGGCGGCACCCTGGAAAAGCCACCGCCCGGAGAAGGCGTCA
CCCTATGGAAAGGGAAGATGAAGCCCCCGGCCTGGTACGCGCGCCTACCGCTGCCTATGCACCGCGACGC
GCGTGCCCAGCAAACCGCCGAGGTGGTGCACGCGCACGCACGCGGGGCGCGCCTCACCGCCGCCCGCCTG
GGCCGCGCACAGCACCAGATCAATGGGCAGCTGCGGCTGCTGCTGCGCCAGCGCGAGGCCACTGACCGCA
GGCTCAGCGAGGTGCGCAAGGGCCTGCTCATCAATCAGCAGAGCGTCAAGTTGCGGGGCTACCGACCTAA
GTGTGAGAAGATCCCAGACAAGGCTGACAGCTTGCTTGTCTGGGAGAAAAAGGAACTGAAGTCCATGAAG
AGAAAAATGGAGAAGGACATGGAAATATCGGAGGACTTGCTCAAGGCTCTGGCCTCCTGCAGGGACACTC
TGGACTTCTACTGTCAGGAAAGGCTGCAAGCTGTGGAACTCATGAACCAGCCACTGGACAAAGTTCTGGA
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GATAAGCAACCGTGTATGCTCCTCGCTGGCACAGAAGATGCGTGAGACCTTGGAGTTGAAGGAAAGAATG
ACCATGACTTTGGGGCTAATGAGGGGGACTATCCACCGGTGCATGAAATTCAATCAAGAGATGTACGTCA
CGCGGGGCATCATCAAGGGTCCTCTGTTGAAAAGGAACCTGGAGGCGCGAGAGAAACTGAACAGACCCTT
GGTTCGCATGTATCAGAGACACGTGGGCACCCAGCTCCCCGAGGCTACTCGCCTTGCCCAGGGTACTGAC
CTGCTGACCCGCCACAACTTGCACATGGAAAAGAATTTAAAAGAGCTCCGTACAACACACGATAACCTCG
CCTGGGGCCTCAACTGCAAAAAGATAGGGCACGATGTGGACTACGATGTGGTGCGTCTGCGCCTACGCCA
GCGCCACCCGCACGTGTGCTATGAGCAAGCGCAGCGCCTGGTCAACGACTGGGACCCTCCCACACCAGCG
CGCAGCCAAACCAATACCGCCTCCAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216451 representing NM_027630
Red=Cloning site Green=Tags(s)

MPVLLPSTDPGQDSRVGAPEWRQAAKATSRKAHLLTDRCGQEAVTMWQPKDSVLDPNVAHHLGRAAYMEP
WRFRVEMLKGGGTLEKPPPGEGVTLWKGKMKPPAWYARLPLPMHRDARAQQTAEVVHAHARGARLTAARL
GRAQHQINGQLRLLLRQREATDRRLSEVRKGLLINQQSVKLRGYRPKCEKIPDKADSLLVWEKKELKSMK
RKMEKDMEISEDLLKALASCRDTLDFYCQERLQAVELMNQPLDKVLEQAGRHSWVDITRPPTPRTQGLKT
PPPDPIGTYTPACAKALFEAKRLLMESKDILTEMAKNEVDIQNQQQEISNRVCSSLAQKMRETLELKERM
TMTLGLMRGTIHRCMKFNQEMYVTRGIIKGPLLKRNLEAREKLNRPLVRMYQRHVGTQLPEATRLAQGTD
LLTRHNLHMEKNLKELRTTHDNLAWGLNCKKIGHDVDYDVVRLRLRQRHPHVCYEQAQRLVNDWDPPTPA
RSQTNTASK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

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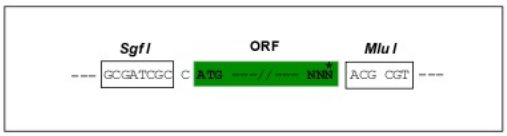
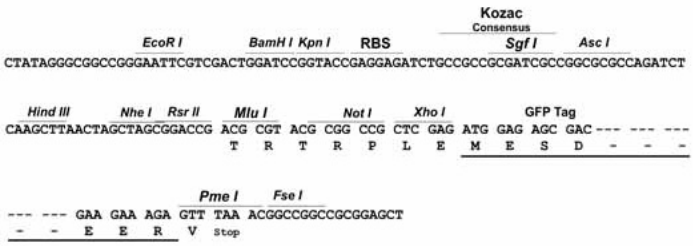
Cloning Scheme:





ACCN:	NM_027630
ORF Size:	1497 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_027630.1, NP_081906.1
RefSeq Size:	1718 bp
RefSeq ORF:	1500 bp
Locus ID:	70976
UniProt ID:	Q9D4K7
Cytogenetics:	10 C1

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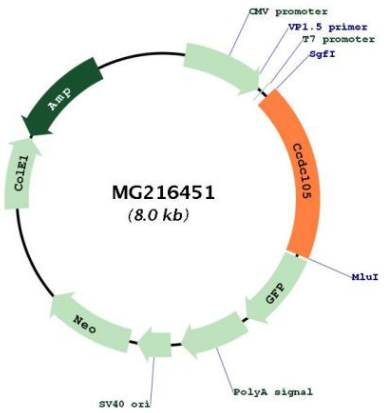
Product images:



Circular map for MG216451

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